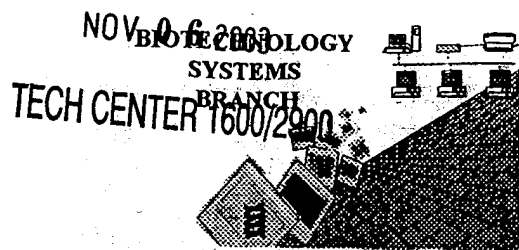


RECEIVED



**RAW SEQUENCE LISTING**  
**ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/003,669B  
Source: 1600  
Date Processed by STIC: 10/23/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/2003):  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/2003

## Raw Sequence Listing Error Summary

### ERROR DETECTED

### SUGGESTED CORRECTION

SERIAL NUMBER: 10/003,669B

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1        Wrapped Nucleics  
    Wrapped Aminos     The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
  
- 2        Invalid Line Length     The rules require that a line **not exceed** 72 characters in length. This includes white spaces.
  
- 3        Misaligned Amino  
    Numbering     The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use **space characters**, instead.
  
- 4        Non-ASCII     The submitted file was **not** saved in ASCII(DOS) text, as required by the Sequence Rules. Please **ensure your subsequent submission is saved in ASCII text.**
  
- 5        Variable Length     Sequence(s)        contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
  
- 6        PatentIn 2.0  
    "bug"     A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)       . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**
  
- 7        Skipped Sequences  
    (OLD RULES)     Sequence(s)        missing. If intentional, please insert the following lines for **each** skipped sequence:  
                               (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                               (i)       SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
                               (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                               This sequence is intentionally skipped  
  
                               Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
  
- 8        Skipped Sequences  
    (NEW RULES)     Sequence(s)        missing. If intentional, please insert the following lines for **each** skipped sequence.  
                               <210> sequence id number  
                               <400> sequence id number  
                               000
  
- 9        Use of n's or Xaa's  
    (NEW RULES)     Use of n's and/or Xaa's have been detected in the Sequence Listing.  
                               Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.  
                               In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
  
- 10        Invalid <213>  
    Response     Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence *see circled item below*
  
- 11        Use of <220>     Sequence(s)        missing the <220> "Feature" and associated numeric identifiers and responses.  
                               Use of <220> to ~~<223>~~ is **MANDATORY** if ~~<213>~~ "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in ~~<220> to <223>~~ section.  
                               (See "Federal Register," 00/01/1998, Vol. 63, No. 104, pp. 29631-32) ~~(Sec. 1.823 of Sequence Rules)~~
  
- 12        PatentIn 2.0  
    "bug"     Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
  
- 13        Misuse of n/Xaa     "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



1600

## RAW SEQUENCE LISTING

DATE: 10/23/2003

PATENT APPLICATION: US/10/003,669B

TIME: 11:17:24

Input Set : A:\ferritin.ST25.txt

Output Set: N:\CRF4\10232003\J003669B.raw

3 <110> APPLICANT: Broyles, Robert H.  
 4       Floyd, Robert A.  
 6 <120> TITLE OF INVENTION: Gene Regulation Therapy Involving Ferritin  
 8 <130> FILE REFERENCE: OKL010/107-00727A  
 10 <140> CURRENT APPLICATION NUMBER: 10/003,669B  
 11 <141> CURRENT FILING DATE: 2001-11-01  
 13 <150> PRIOR APPLICATION NUMBER: 60/245,043  
 14 <151> PRIOR FILING DATE: 2000-11-01  
 16 <160> NUMBER OF SEQ ID NOS: 19  
 18 <170> SOFTWARE: PatentIn version 3.1  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 6  
 22 <212> TYPE: DNA  
 23 <213> ORGANISM: homo sapiens  
 25 <400> SEQUENCE: 1  
 26 cagtgc  
 29 <210> SEQ ID NO: 2  
 30 <211> LENGTH: 10  
 31 <212> TYPE: DNA  
 32 <213> ORGANISM: homo sapiens  
 34 <220> FEATURE:  
 35 <221> NAME/KEY: misc\_feature  
 36 <222> LOCATION: (6)..(8)  
 37 <223> OTHER INFORMATION: bases 6, 7 and 8 may be any base and do not influence binding  
 of  
 38       ferritin  
 41 <400> SEQUENCE: 2  
 W--> 42 rtgacnnngc  
 45 <210> SEQ ID NO: 3  
 46 <211> LENGTH: 37  
 47 <212> TYPE: DNA  
 48 <213> ORGANISM: homo sapiens  
 50 <400> SEQUENCE: 3  
 51 aactcctaag ccagtgccac aagagccaag gacaggt  
 54 <210> SEQ ID NO: 4  
 55 <211> LENGTH: 37  
 56 <212> TYPE: DNA  
 57 <213> ORGANISM: none  
 59 <400> SEQUENCE: 4  
 60 aaggggggag ccagtgccag aagagccaag gacaggt  
 63 <210> SEQ ID NO: 5  
 64 <211> LENGTH: 37  
 65 <212> TYPE: DNA  
 66 <213> ORGANISM: none

6

Does Not Comply  
Corrected Diskette Needed

pp 1-2

10

37

37

## RAW SEQUENCE LISTING

DATE: 10/23/2003

PATENT APPLICATION: US/10/003,669B

TIME: 11:17:24

Input Set : A:\ferritin.ST25.txt

Output Set: N:\CRF4\10232003\J003669B.raw

```

68 <400> SEQUENCE: 5
69 aactcctaag ccagtgccag aaaaaacaag gacaggt 37
72 <210> SEQ ID NO: 6
73 <211> LENGTH: 37
74 <212> TYPE: DNA
75 <213> ORGANISM: none
77 <400> SEQUENCE: 6
78 aactcctaag ccagtgccag aacagccaac cccccgt 37
81 <210> SEQ ID NO: 7
82 <211> LENGTH: 37
83 <212> TYPE: DNA
84 <213> ORGANISM: none
86 <400> SEQUENCE: 7
87 aactcctaag caaaaaacag aagagccaag gacaggt 37
90 <210> SEQ ID NO: 8
91 <211> LENGTH: 20
92 <212> TYPE: DNA
93 <213> ORGANISM: homo sapiens
95 <400> SEQUENCE: 8
96 tcctaagcca gtgccagaag 20
99 <210> SEQ ID NO: 9
100 <211> LENGTH: 20
101 <212> TYPE: DNA
102 <213> ORGANISM: gorilla
104 <400> SEQUENCE: 9
105 tcctaagcca gtgccaggag 20
108 <210> SEQ ID NO: 10
109 <211> LENGTH: 20
110 <212> TYPE: DNA
111 <213> ORGANISM: Macaca
113 <400> SEQUENCE: 10
114 tcctaagcca gtgccagaag 20
117 <210> SEQ ID NO: 11
118 <211> LENGTH: 20
119 <212> TYPE: DNA
120 <213> ORGANISM: cow
122 <400> SEQUENCE: 11
123 tctaaagtca gtgccaggaa 20
126 <210> SEQ ID NO: 12
127 <211> LENGTH: 20
128 <212> TYPE: DNA
129 <213> ORGANISM: goat
131 <400> SEQUENCE: 12
132 tctaaagtca gtgccaggaa 20
135 <210> SEQ ID NO: 13
136 <211> LENGTH: 20
137 <212> TYPE: DNA
138 <213> ORGANISM: sheep
140 <400> SEQUENCE: 13

```

## RAW SEQUENCE LISTING

DATE: 10/23/2003

PATENT APPLICATION: US/10/003,669B

TIME: 11:17:24

Input Set : A:\ferritin.ST25.txt

Output Set: N:\CRF4\10232003\J003669B.raw

141 tctaaagtca gtgccaggaa	20
144 <210> SEQ ID NO: 14	
145 <211> LENGTH: 20	
146 <212> TYPE: DNA	
147 <213> ORGANISM: galago	
149 <400> SEQUENCE: 14	
150 tcctaagtga gtgccagaac	20
153 <210> SEQ ID NO: 15	
154 <211> LENGTH: 20	
155 <212> TYPE: DNA	
156 <213> ORGANISM: tarsus	
158 <400> SEQUENCE: 15	
159 ctctaagcca gtaccagaac	20
162 <210> SEQ ID NO: 16	
163 <211> LENGTH: 20	
164 <212> TYPE: DNA	
165 <213> ORGANISM: lepus	
167 <400> SEQUENCE: 16	
168 tcctaagcca ttgccagaac	20
171 <210> SEQ ID NO: 17	
172 <211> LENGTH: 20	
173 <212> TYPE: DNA	
174 <213> ORGANISM: rabbit	
176 <400> SEQUENCE: 17	
177 tcctaagcca ttgccataac	20
180 <210> SEQ ID NO: 18	
181 <211> LENGTH: 20	
182 <212> TYPE: DNA	
183 <213> ORGANISM: rat	
185 <400> SEQUENCE: 18	
186 cctgaggcca gtggcccagc	20
189 <210> SEQ ID NO: 19	
190 <211> LENGTH: 20	
191 <212> TYPE: DNA	
192 <213> ORGANISM: mouse	
194 <400> SEQUENCE: 19	
195 tcttaagcct gtgccatagc	20

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/003,669B

DATE: 10/23/2003  
TIME: 11:17:25

Input Set : A:\ferritin.ST25.txt  
Output Set: N:\CRF4\10232003\J003669B.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 6,7,8